

ABSTRACT OF THE DISCLOSURE

A device (16) used to measure at least one component of a magnetic field, includes a magnetoresistive sensor (102) and a measuring chain (28). The input of the measuring chain is connected to the magnetoresistive sensor (102), while the output thereof is intended to supply information that is representative of the magnetic field in the region of the sensor. In addition, the measuring chain (28) includes elements (136) for isolating a frequency component of the signal from the sensor representative of the magnetic field for a unique pre-determined frequency (FI).